

Pawcatuck River Watershed Action Plan 2001 - 2004 Progress Report for June 2002									
	LEGEND:								
	COMPLETED	Completed action or ongoing activity that has resulted in tangible results.							
	ON-TRACK	Ongoing or in-progress action that is currently on track.							
	DELAYED	Ongoing activity that experienced a delay of some sort but continues to move forward.							
	NO LEAD	Action that has not begun because no agency or group has taken the lead on the action.							
	NO ACTION	Action that was not completed and currently shows no action.							
TOPIC: Natural, Cultural and Recreational Resources									
Objective 1: Target land acquisition efforts to protect riparian corridors and their multiple benefits.									
Activity	Action	Responsible Parties	Funding Source	Time period	Status	Focus Area	Contact Person	Contact Phone	Contact Email
Strategy 1.1: Identify riparian areas that, if protected would diminish impacts from development on water and recreational quality; if acquired would improve suitable recreational opportunities; are potential sources of contamination, and thus are candidates for strategic water quality monitoring; if restored would protect water quality and provide habitat.									
1.1.1	Encourage active participation by watershed residents in the Greenspace Implementation Plan.	DEM, Dodson Assoc., WPWA	USDA Forest Service	Greenspace Project completed Summer 2002	Final review of Greenspace Project underway.	South County	Jeff Nield, Lori Urso	401-222-3434x4405; 401-539-9017	jnield@dem.state.ri.us; info@wpwa.org
1.1.2	Convene a steering committee that includes town planners, NRCS, DEM Fish and Wildlife, DEM Planning and Development and WPWA to identify important riparian areas.	RIDEM Sustainable Watersheds and Fish and Wildlife, NRCS	n/a	Summer 2001	Mtgs with NRCS and RIDEM F&W held; Brown student conducted survey; WPWA prepared report on small craft access	Pawcatuck Watershed	Lori Urso, Harold Ward	401-539-9017; 401-863-3448	lori@urso.com; Harold_Ward@brown.edu
1.1.3	Conduct streamside assessments by RI Canoe and Kayak Assoc., WPWA volunteers and staff and Brown University intern.	WPWA	WPWA; Brown U.	Fall 2001	Brown student conducted survey; WPWA prepared report on small craft access	Pawcatuck Watershed	Lori Urso, Harold Ward	401-539-9017; 401-863-3449	lori@urso.com; Harold_Ward@brown.edu
Strategy 1.2: Allocate a significant portion of open space bond funds to protection of riparian corridors.									
1.2.1	Adopt regulations for allocating open space bond funds that give a high priority to protection of riparian corridors.	RIDEM, WPWA	RIDEM P&D	Spring and Summer, 2001	Scoring Criteria adopted for the Natural Heritage Open Space Grants with points for riparian buffers and for consistency with watershed plans.	Statewide	Joe Dias	401-222-2776x4301	jdias@dem.state.ri.us
1.2.2	Encourage towns and non-profit organizations to propose for protection the areas identified in Objective 1.	WPWA	WPWA	Summer 2001	WPWA will nominate these areas for priority protection through the local and regional Greenspace process, Summer 2002.	Pawcatuck Watershed	Lori Urso, Harold Ward	401-539-9017; 401-863-3449	lori@urso.com; Harold_Ward@brown.edu

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Objective 1: Target land acquisition efforts to protect riparian corridors and their multiple benefits.									
Activity	Action	Responsible Parties	Funding Source	Time period	Status	Focus Area	Contact Person	Contact Phone	Contact Email
Strategy 1.3: Restore degraded riparian areas.									
1.3.1	Prioritize restoration opportunities identified in Objective 1. Include WPWA in grant proposals for restoration funding, to coordinate this planning.	RIDEM, WPWA	WHP, NOAA, USFWS, 319 (Nonpoint)	Begin Summer 2001	Application to TEAC was completed and awarded for Switch Rd Restoration Project Summer 2002	Pawcatuck Watershed	Lori Urso, Harold Ward	401-539-9017; 401-863-3449	lori@urso.com; Harold_Ward@brown.edu
Strategy 1.3: Restore degraded riparian areas (continued)									
1.3.2	Where owners of priority parcels are unwilling to consider restoration, target these parcels for acquisition.	Riparian Committee	NRCS, 319 (Nonpoint)	Ongoing		Pawcatuck Watershed	Jeff Nield, Lori Urso	401-222-3434x4405; 401-539-9017	jnield@dem.state.ri.us; info@wpwa.org
1.3.3	Direct restoration funds and programs to the highest priority sites.	Riparian Committee	NRCS, 319 (Nonpoint)	Ongoing		Pawcatuck Watershed	Jeff Nield, Lori Urso	401-222-3434x4405; 401-539-9017	jnield@dem.state.ri.us; info@wpwa.org
Strategy 1.4: Improve the quality of recreational access to rivers in the watershed.									
1.4.1	Adopt regulations for allocation of recreational bond funds that give a priority to providing safe and convenient recreational access to rivers.	RIDEM	RIDEM Open Space 2000	Summer 2001	Amended regulations will be considered in workshops and hearings, and adopted in the May 2001.	Statewide	Joe Dias	401-222-2776x4301	jdias@dem.state.ri.us
1.4.2	Encourage towns and non-profit organizations to propose for recreational development river access areas identified in Objective 1.	WPWA, RIDEM	Open Space 2000, TEA 21	Summer - Fall 2001	WPWA will nominate these areas for priority protection through the local and regional Greenspace process, Summer 2002.	Pawcatuck Watershed	Lori Urso, Harold Ward	401-539-9017; 401-863-3449	lori@urso.com; Harold_Ward@brown.edu
1.4.3	Based on Riparian Areas Committee (Activity 1.1.2) findings, target financial and technical resources to specific riparian areas for recreational development.	WPWA, RIDEM P&D and Fish & Wildlife, NRCS	RIDEM, federal sources(?)	Summer 2001	Projects identified as mission of riparian areas committee	Pawcatuck Watershed	Harold Ward, Jeff Nield	401-863-3449; 222-3434x4405	Harold_Ward@brown.edu; jnield@dem.state.ri.us

TOPIC: Water Resources									
GOAL: Clean and Plentiful Water. Fishable/Swimmable surface water bodies.									
Objective 2: Create and implement a cost effective, efficient water quality monitoring strategy for the Pawcatuck Watershed.									
Activity	Action	Responsible Parties	Funding Source	Time period	Status	Focus Area	Contact Person	Contact Phone	Contact Email
Strategy 2.1: Identify and allocate water quality monitoring resources to provide most efficiently the information that will be most useful in pollution prevention and enforcement efforts.									
2.1.1	Draft a proposal for a transient water quality monitoring program in the Pawcatuck Watershed.	WPWA, South County Watershed Coordinator	WPWA, RIDEM	Fall - Winter 2001	Meetings conducted and a strategy was created.	Pawcatuck Watershed	Harold Ward, Jeff Nield	401-863-3449; 222-3434x4405	Harold_Ward@brown.edu; jnield@dem.state.ri.us
2.1.1	Convene a committee to review the targeted, transient, water quality monitoring strategy for the Pawcatuck Watershed that is realistic given available resources.	South County Watershed Coordinator	RIDEM	Fall - Winter 2001	Meetings conducted and a strategy was created.	Pawcatuck Watershed	Harold Ward, Jeff Nield	401-863-3449; 222-3434x4405	Harold_Ward@brown.edu; jnield@dem.state.ri.us
2.1.2	Assign responsibility for the highest priority sampling areas.	Committee: RIDEM, URI-CEWQ, WPWA, USGS, towns	n/a	Winter 2001	The monitoring committee will allocate responsibility no later than December 2002 - in time for winter storm-drain sampling and for reassignment of Watershed Watch sites.	Pawcatuck Watershed	Harold Ward	401-863-3449	Harold_Ward@brown.edu
2.1.3	Sample, analyze, interpret and report results on a website in a timely fashion.	Committee: RIDEM, URI-CEWQ, EPA, WPWA, USGS, towns	RIDEM, URI, EPA	Sampling will continue indefinitely.	Reports should be posted no more than two weeks after results are available.	Pawcatuck Watershed	Dependent on results of monitoring.		
2.1.4	Where results demonstrate a water quality impact, report directly to the agency with responsibility for remediation.	RIDEM, URI-CEWQ, WPWA, USGS, towns, RIDOT	various, 319 (Nonpoint)			Pawcatuck Watershed	Dependent on results of monitoring.		

TOPIC: Water Resources									
GOAL: Clean and Plentiful Water. Fishable/Swimmable surface water bodies.									
Objective 3: Water quality should be protected and water should be allocated equitably during drought periods, with adequate provision for habitat protection.									
Strategy 3.1: Estimate a water budget for all aquifers at full buildout.									
Activity	Action	Lead	Funding Source	Time period	Status	Focus Area	Contact Person	Contact Phone	Contact Email
3.1.1	Create and maintain current parcel-level GIS coverages for all towns in the watershed.	Statewide Planning	Statewide Planning, Towns	FY 2002	Of RI communities in the watershed, Exeter, Richmond, Westerly and West Greenwich lack parcel level GIS data.		Devon Preston	241-1961	dpreston@wcrpc.org
3.1.2	Use these coverages to conduct a buildout analysis based on current local and state land use regulations.	???	???		Brown student conducted buildout for Charlestown using GIS parcel data. It could be completed in other towns.				
3.1.3	Utilizing the HSPF model and habitat assessment data from the Queen's River pilot study, determine the flow levels necessary to support aquatic ecosystems.	USGS, RIWRB	USGS, RIWRB	2005 completion target	USGS is currently calibrating the water use model for the Queens River.	Sub-basins of the Pawcatuck Watershed	Jim Campbell	331-9050 x10	jcampbel@usgs.gov
3.1.4	From the buildout analysis results, estimate a water budget for each sub-basin.	USGS, RIWRB	USGS, RIWRB	2005 completion target	USGS is currently calibrating the water use model for the Queens River.	Sub-basins of the Pawcatuck Watershed	Jim Campbell	331-9050 x11	jcampbel@usgs.gov
Strategy 3.2: Encourage and provide incentives to towns to plan for growth to protect the quality and quantity of groundwater.									
3.2.1	Where the water budget predicts a water shortfall during dry periods at buildout, revise comprehensive plans and land use regulations appropriately to reduce estimated water demand to a sustainable level.	Towns, assisted by the Water Use Stakeholders Group (WUSG), DEM, Washington County Regional Council (WCRPC), and WPWA.	Towns	2002-2003	new activity	Pawcatuck Watershed	(?)		
3.2.2	Review/Revise/Adopt effective groundwater protection overlay districts where indicated by soil permeability.	Towns, assisted by URI Cooperative Extension, DEM, WCRPC	Town Planners and Planning Boards	2002-2003	new activity	Pawcatuck Watershed	(?)		
3.2.3	Implement the provisions of these overlay districts.	Towns, assisted by URI Cooperative Extension, DEM, WCRPC	Town Planners and Planning Boards	2002-2003	new activity	Pawcatuck Watershed	(?)		

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Objective 3: Water quality should be protected and water should be allocated equitably during drought periods, with adequate provision for habitat protection.									
Strategy 3.3: Manage use of water in dry periods in an equitable manner, so that essential needs are met and habitats are not seriously impacted.									
Activity	Action	Lead	Funding Source	Time period	Status	Focus Area	Contact Person	Contact Phone	Contact Email
3.3.1	Prepare drought management plans at a water-supply system level.	WRB, WUSG, Public Water Suppliers	WRB	2001	Ongoing	Pawcatuck Watershed	Kathy Crawley	222-5732	kcrawley@doa.state.ri.us
3.3.2	Put in place a public information system to give timely notice of necessary water use restrictions.	WRB, WUSG, Public Water Suppliers	WRB	2001	Ongoing	Pawcatuck Watershed	Kathy Crawley	222-5732	kcrawley@doa.state.ri.us
3.3.3	Develop a water use management plan.	WRB, WUSG, WPWA.	WRB	2002 - 2003	Ongoing	Pawcatuck Watershed	Kathy Crawley	222-5732	kcrawley@doa.state.ri.us
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Strategy 3.4: Complete 'Water Quality Restoration Plan' (TMDL) for Little Narragansett Bay and Pacatuck River Estuary.									
3.4.1	Conduct dry and wet weather monitoring to identify pathogen and nutrient sources to Little Narragansett Bay and Pawcatuck River Estuary.	RIDEM Office of Water Resources	RIDEM, EPA	Initiate Summer 2003		Little Narragansett Bay and Pawcatuck River Estuary	Chris Turner	222-4700x7449	cturner@dem.state.ri.us